

1070R000000000000 14 MAR 2002

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| FORM PTO-1390<br>(REV 11-2000)  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br>NSG-210US  |  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>         DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>         CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  |   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>To Be Assigned <b>10/088275</b> |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP01/05963   |  | INTERNATIONAL FILING DATE<br>10 July 2001 (10.07.01)    |  | PRIORITY DATE CLAIMED<br>18 July 2000 (18.07.00)                                   |  |
| TITLE OF INVENTION<br>LIGHT-RECEIVING ELEMENT AND PHOTODETECTOR USING THE SAME  |  |   |  |  |  |
| APPLICANT(S) FOR DO/EO/US<br>Takashi TAGAMI and Kenichi NAKAMA  |  |   |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |  |  |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input checked="" type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |  |   |  |  |  |
| <b>Items 11 to 20 below concern documents(s) or information included:</b>   |  |   |  |  |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 U.S.C. 1.97 and 1.98.<br>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input type="checkbox"/> A FIRST preliminary amendment.<br>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A change of power of attorney and/or address letter.<br>17. <input type="checkbox"/> A computer readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825.<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information: Certificate of Mailing by Express Mail and Request  |  |   |  |  |  |


1010 Rec'd PCT/PTO 14 MAR 2002

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.51)<br><b>To Be Assigned</b> <span style="font-size: 1.5em; font-weight: bold;">088275</span> |  | INTERNATIONAL APPLICATION NO.<br>PCT/JP01/05963 |  | ATTORNEY DOCKET NUMBER<br>NSG-210US |  |
|--|--|---|--|-------------------------------------|--|

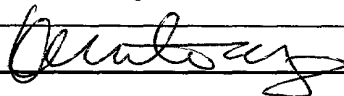
  

| <p>21. <input checked="" type="checkbox"/> The following fees are submitted:<br/> <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1) - (5)):</b><br/> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$1040.00<br/> <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$890.00<br/> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$740.00<br/> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$710.00<br/> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00</p> <p style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></p> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">EXTRA NUMBER</th> <th style="width:20%;">RATE</th> <th style="width:20%;"></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>44- 20 =</td> <td>24</td> <td>X \$18.00</td> <td>\$432.00</td> </tr> <tr> <td>Independent claims</td> <td>1- 3 =</td> <td></td> <td>X \$84.00</td> <td>\$</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable) <input checked="" type="checkbox"/></td> <td>+ \$280.00</td> <td>\$280.00</td> </tr> <tr> <td colspan="4"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td><b>\$1602.00</b></td> </tr> <tr> <td colspan="4"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td>\$</td> </tr> <tr> <td colspan="4"><b>SUBTOTAL =</b></td> <td><b>\$1602.00</b></td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td>\$</td> </tr> <tr> <td colspan="4"><b>TOTAL NATIONAL FEE =</b></td> <td><b>\$1602.00</b></td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>\$40.00</td> </tr> <tr> <td colspan="4"><b>TOTAL FEES ENCLOSED =</b></td> <td><b>\$1642.00</b></td> </tr> <tr> <td colspan="4"></td> <td>Amount to be refunded: \$</td> </tr> <tr> <td colspan="4"></td> <td>Charged: \$</td> </tr> </tbody></table> | CLAIMS       | NUMBER FILED | EXTRA NUMBER | RATE                      |  | Total claims | 44- 20 = | 24 | X \$18.00 | \$432.00 | Independent claims | 1- 3 = |  | X \$84.00 | \$ | MULTIPLE DEPENDENT CLAIM(S) (if applicable) <input checked="" type="checkbox"/> |  |  | + \$280.00 | \$280.00 | <b>TOTAL OF ABOVE CALCULATIONS =</b> |  |  |  | <b>\$1602.00</b> | <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. |  |  |  | \$ | <b>SUBTOTAL =</b> |  |  |  | <b>\$1602.00</b> | Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(f)). |  |  |  | \$ | <b>TOTAL NATIONAL FEE =</b> |  |  |  | <b>\$1602.00</b> | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property |  |  |  | \$40.00 | <b>TOTAL FEES ENCLOSED =</b> |  |  |  | <b>\$1642.00</b> |  |  |  |  | Amount to be refunded: \$ |  |  |  |  | Charged: \$ | <p>a. <input checked="" type="checkbox"/> Two checks totaling the amount of <b>\$1642.00</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>18-0350</b>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p> |
|--|--------------|--------------|--------------|---------------------------|--|--------------|----------|----|-----------|----------|--------------------|--------|--|-----------|----|---|--|--|------------|----------|--------------------------------------|--|--|--|------------------|--|--|--|--|----|-------------------|--|--|--|------------------|--|--|--|--|----|-----------------------------|--|--|--|------------------|--|--|--|--|---------|------------------------------|--|--|--|------------------|--|--|--|--|---------------------------|--|--|--|--|-------------|--|
| CLAIMS   | NUMBER FILED | EXTRA NUMBER | RATE         |                           |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| Total claims   | 44- 20 =     | 24           | X \$18.00    | \$432.00                  |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| Independent claims   | 1- 3 =       |              | X \$84.00    | \$                        |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) <input checked="" type="checkbox"/>  |              |              | + \$280.00   | \$280.00                  |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |              |              | <b>\$1602.00</b>          |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |              |              | \$                        |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
| <b>SUBTOTAL =</b>  |              |              |              | <b>\$1602.00</b>          |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
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| <b>TOTAL NATIONAL FEE =</b>  |              |              |              | <b>\$1602.00</b>          |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
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| <b>TOTAL FEES ENCLOSED =</b>   |              |              |              | <b>\$1642.00</b>          |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
|  |              |              |              | Amount to be refunded: \$ |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |
|  |              |              |              | Charged: \$               |  |              |          |    |           |          |                    |        |  |           |    |   |  |  |            |          |                                      |  |  |  |                  |  |  |  |  |    |                   |  |  |  |                  |  |  |  |  |    |                             |  |  |  |                  |  |  |  |  |         |                              |  |  |  |                  |  |  |  |  |                           |  |  |  |  |             |  |

|   |           |                         |  |  |  |
|---|-----------|-------------------------|--|--|--|
| <b>CORRESPONDENCE ADDRESS</b>   |           |                         |  |  |  |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label |           |                         | <div style="text-align: center;"> <br/>                 (Insert Customer No. or Attachment Code label here) <b>23122</b> </div> |  |  |
|   |           |                         | or <input type="checkbox"/> Correspondence address below   |  |  |
| Name  |           | PATENT TRADEMARK OFFICE |  |  |  |
| Address   |           |                         |  |  |  |
| City  | State     | Zip Code                |  |  |  |
| Country   | Telephone | Fax                     |  |  |  |

|                   |   |                                   |                        |
|-------------------|---|-----------------------------------|------------------------|
| Name (Print/Type) | Kenneth N. Nigon  | Registration No. (Attorney/Agent) | 31,549                 |
| Signature         |  |                                   | Date<br>March 14, 2002 |